IBM ASSIGNMENT 2 - TO GET TPERATURE AND HUMIDITY VALUES AND DETECT ALARM INCASE OF HIGH TPERATURE.

```
import random

tp=random.uniform(-50,50)
```

#by using random.uniform function a random float value will be generated for tperature for example:25.718184973594976 print("TEMPERATURE:",tp)

```
tp=round(tp, 3)
```

#by using round of function the decimal points in the temperature will be reduced for example:25.7

```
print("TEMPERATURE:",tp)
```

#by using if condtion & elif condition the temperature level is observed

```
if(tp<=0):
 print("very cold")

elif(tp<=10):
   print("cold")
elif(tp<=20):
   print("Room temperature")
elif(tp<=30):
    print("hot")

else:
 print("very hot alarm will be on")

humidity=random.randint(0,100)
```

#by using random.randint function a random int value will be generated for humidity for example:55

```
print ("HUMIDITY:",humidity)
```

```python
#by using if condtion & elif condition the humidity level is observed

if(humidity==0):

    print("no humidity")

elif(humidity<=50):

    print("humidity is  low")

else:
    print("humidity is high alarm will be on")
```

OUTPUT:

TEMPPERATURE: -42.015389390052935

TEMPERATURE: -42.015

Very cold

HUMIDITY: 40

 humidity is low